

1       1. A hand-held pressurized product dispenser comprising  
2           a container containing product under pressure, said container having a top, a hand-  
3           engageable body portion and a bottom,  
4           a valve mechanism at the top of said container that communicates with said container  
5           and is movable with respect to said container to cause pressurized discharge of said product  
6           out of said container, and

7           a valve actuation lever that is connected to said valve mechanism and extends along  
8           said body to a lever end such that relatively larger displacement of said lever end causes a  
9           controlled, relatively smaller displacement of said valve mechanism, permitting adjustable  
10          delivery of said product.

11  
1       2. A hand-held pressurized product dispenser comprising  
2           a container containing product under pressure, said container having a top, a hand-  
3           engageable body portion and a bottom,  
4           a valve mechanism at the top of said container that communicates with said container  
5           and is movable with respect to said container to cause pressurized discharge of said product  
6           out of said container,

7           a product delivery member attached to said top of said container and having a product  
8           holding structure that is positioned with respect to said valve mechanism to receive said  
9           product, and

10          a valve actuating member that is connected to actuate said valve and has a hand-  
11          engageable portion that extends along said body.

1       3. A hand-held pressurized product dispenser comprising  
2           a container containing product under pressure, said container having a top, a hand-  
3           engageable body portion and a bottom,  
4           a valve mechanism at the top of said container that communicates with said container  
5           and is movable with respect to said container to cause pressurized discharge of said product  
6           out of said container, and

7           a valve actuating member that is connected to actuate said valve and has a hand-  
8           engageable portion that extends along said body portion,

9           said valve mechanism being movable away from said container to discharge said  
10   product,

11           said valve actuating member being connected to move said valve mechanism away  
12   from said container as said hand-engageable portion is moved toward said body.

1           4. A hand-held pressurized product dispenser comprising

2           a container containing product under pressure, said container having a top, a hand-  
3   engageable body portion and a bottom,

4           a valve mechanism at the top of said container that communicates with said container  
5   and is movable with respect to said container to cause pressurized discharge of said product  
6   out of said container, and

7           a valve actuating member that is connected to actuate said valve and has a hand-  
8   engageable portion that extends along said body,

9           said valve actuating member being made of plastic and being pivotally connected  
10   with respect to said container via a living hinge.

1           5. A hand-held pressurized product dispenser comprising

2           a container containing product under pressure, said container having a top, a hand-  
3   engageable body portion and a bottom,

4           a valve mechanism at the top of said container that communicates with said container  
5   and is movable with respect to said container to cause pressurized discharge of said product  
6   out of said container, and

7           a valve actuating member that is connected to actuate said valve and has a hand-  
8   engageable portion that extends along said body,

9           said valve actuating member having a pivot end that is pivotally connected with  
10   respect to said container and also having a valve engaging portion that engages said valve  
11   mechanism and is located between said pivot end and said hand-engageable portion.

1           6. A hand-held pressurized product dispenser comprising

2           a container containing product under pressure, said container having a top, a hand-  
3   engageable body portion and a bottom,

4           a valve mechanism at the top of said container that communicates with said container  
5   and is movable with respect to said container to cause pressurized discharge of said product  
6   out of said container, and

7        a valve actuating member that is connected to actuate said valve and has a hand-  
8        engageable portion that extends along said body,

9                said valve actuating member having a valve engaging portion that engages said valve  
10      mechanism and a pivot that pivotally connects said valve actuating member with respect to  
11      said container and is located between said valve engaging portion and said hand-engageable  
12      portions.

1                7. A hand-held pressurized product dispenser comprising  
2                a container containing product under pressure, said container having a top, a hand-  
3                engageable body portion and a bottom,

4                a valve mechanism at the top of said container that communicates with said container  
5                and is movable with respect to said container to cause pressurized discharge of said product  
6                out of said container, and

7                a valve actuating member that is connected to actuate said valve and has a hand-  
8                engageable portion that extends along said body,

9                said valve actuating member having a first cam member that is connected to said  
10      hand-engageable portion and faces said container,

11                said container carrying a second cam member that faces said first can member,

12                said first and second cam members being oriented such that, as said hand-engageable  
13      portion is moved toward said container, interaction of said first and second can surfaces  
14      causes said valve actuating member to move downward to actuate said valve mechanism.

1                8. A hand-held pressurized product dispenser comprising  
2                a container containing product under pressure, said container having a top, a hand-  
3                engageable body portion and a bottom,

4                a valve mechanism at the top of said container that communicates with said container  
5                and is movable with respect to said container to cause pressurized discharge of said product  
6                out of said container, and

7                a valve actuating member that is connected to actuate said valve and has a hand-  
8                engageable portion that extends along said body,

9                said container carrying a movable stop member facing said hand-engageable portion  
10      so as to limit travel of said hand-engageable portion toward said container, said stop member  
11      having different portions that are selectively movable into position facing said hand-  
12      engageable portion so as to adjust movement of said valve actuating member.

1       <sup>10</sup> 9. The dispenser of claim 8 wherein said stop member has stepped portions, each  
2       with a different radius.

1       10. The dispenser of claim 2 wherein said product holding structure has a generally  
2       flat upper surface.  
*R* 11. The dispenser of claim 2 wherein said product holding structure has a generally  
2       arcuate upper surface.

*swoosh* 1       12. The dispenser of claim 2 wherein said product holding structure is a porous  
2       structure having pores that receive said product.

1       13. The dispenser of claim 2 wherein said product holding structure is an elastomeric  
2       applicator.

1       14. The dispenser of claim 2 wherein said product holding structure is a sintered  
2       structure.

1       15. The dispenser of claim 2 wherein said product holding structure has a textured  
2       surface.

1       16. The dispenser of claim 2 wherein said product holding structure has a grid  
2       surface.

1       17. The dispenser of claim 1, 3, 7 or 8 further comprising a product delivery member  
2       that is attached to said top of said container and has a product holding structure that is  
3       positioned with respect to said valve mechanism to receive said product,

1       18. The dispenser of claim 1 wherein said valve actuation lever is made of plastic  
2       and is pivotally connected with respect to said container via a living hinge.

1       19. The dispenser of claim 4 further comprising a cap on said container, and wherein  
2       said valve actuating member is integral with said cap.

1       20. The dispenser of claim 18 wherein further comprising a cap on said container, and  
2       wherein said valve actuation lever is integral with said cap.

1       21. The dispenser of claim 1 wherein said valve actuation lever has a pivot end that is  
2       pivotally connected with respect to said container and also having a valve engaging portion  
3       that engages said valve mechanism and is located between said pivot end and said hand-  
4       engageable portion.

1       22. The dispenser of claim 1 wherein said valve actuation lever has a valve engaging  
2       portion that engages said valve mechanism and a pivot that pivotally connects said valve

3 actuating member with respect to said container and is located between said valve engaging  
4 portion and said hand-engageable portion.

1        23. The dispenser of claim 7 wherein said container carries a movable stop member  
2 facing said hand-engageable portion so as to limit travel of said hand-engageable portion  
3 toward said container, said stop member having different portions that are selectively  
4 movable into position facing said hand-engageable portion so as to adjust movement of said  
5 valve actuating member

6                said container carrying a movable stop member facing said hand-engageable portion  
7 so as to limit travel of said hand-engageable portion toward said container, said stop member  
8 having different portions that are selectively movable into position facing said hand-  
9 engageable portion so as to adjust movement of said valve actuating member .

Sub C3        1 24. The dispenser of claim 1, 2 or 3 wherein said product is a shaving aid.

1        25. The dispenser of claim 1, 2 or 3 wherein said product is an antiperspirant.

1        26. The dispenser of claim 1, 2 or 3 wherein said product is a deodorant.

1        27. The dispenser of claim 1, 2 or 3 wherein said product is a body spray.  
1        28. The dispenser of claim 1, 2 or 3 wherein said product is a gel.

1        29. The dispenser of claim 1, 2 or 3 wherein said product is a cream.  
1        30. The dispenser of claim 1, 2 or 3 wherein said product is a semisolid.

1        31. The dispenser of claim 1, 2 or 3 wherein said product is a liquid.  
1        32. The dispenser of claim 1, 2 or 3 wherein said product is an after shave.

1        33. The dispenser of claim 1, 2 or 3 wherein said product is a hair spray.  
1        34. The dispenser of claim 1, 2 or 3 wherein said product is a powder.

1        35. The dispenser of claim 1, 2 or 3 wherein said container is an aerosol container.  
1        36. The dispenser of claim 1, 2 or 3 wherein said container has a product bag inside a

2 pressurized chamber.